

ACOUSTIC PHYSIOLOGICAL SENSOR

ABSTRACT

5 This document describes, among other things, a body having at least one
acoustically detectable property that changes in response to a change in a
physiological condition, such as ischemia. The body is positioned with respect to a
desired tissue region. At least one acoustic transducer is used to acoustically detect
a change in physical property. In one example, the body is pH sensitive and/or ion
10 selective. A shape or dimension of the body changes in response to pH and/or ionic
concentration changes resulting from a change in an ischemia state. An indication
of the physiological condition is provided to a user.

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